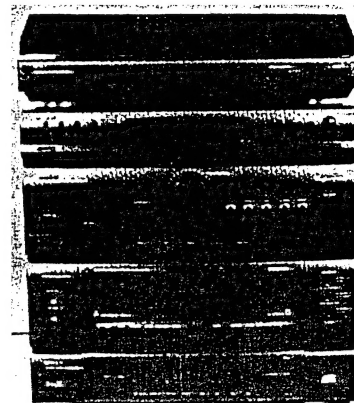


# UHER

*Compact*  
1500 CDC

**AM/FM STEREO RECEIVER  
CASSETTE PLAYER/RECORDER  
3-DISC COMPACT DISC CHANGER  
PHONO PLAYER**



**SPECIFICATIONS**

Power Source  
Power Consumption  
Output Power

230V/50 Hz  
85 Watts  
50W x2 (at 1% THD)

**Tuner Section**

Frequency Range  
Intermediate Frequency  
Sensitivity  
Multiplex Separation

AM: 531-1602 kHz FM: 87.5-108 kHz  
AM: 450 kHz FM: 10.7 MHz  
AM: 900  $\mu$ V/M (at 1MHz) FM: 10  $\mu$ V (at 98MHz)  
36 dB

**Cassette Section**

Tape Speed  
Frequency Response  
Wow & Flutter

1-7/8 ips (4.75 P.S.)  
125 Hz - 12.5 kHz  
0.1% WRMS

**Amplifier Section**

Total Harmonic Distortion (1 kHz)  
Signal To Noise Ratio  
Output Power (at 5% THD)

0.1%  
70 dB  
100W x 2

**Compact Disc Player Section**

Channel Separation (1 kHz)  
Total Harmonic Distortion  
Signal To Noise Ratio

50 dB  
0.1%  
70 dB

**Phono Player Section**

Speed (3 kHz 33 1/3 rpm)  
Wow Flutter

+4%/-2%  
0.5% WRMS

**Dimensions**

W= 420mm (16-1/2") H=385mm (15-1/8")  
D= 346mm (14-1/8")

**Weight**

13.8 kgs (30.36 lbs)

## SERVICE PUBLICATION

Note: All the specifications and features are subject to change without notice

## CD Adjustment

Model No. COMPACT 1500CDC

The following steps should be performed before attempting adjustments to the CD section.

1. Remove the turntable by sliding the Guide Plate outward (See Fig. 7)
2. Disassembly the Base Cover by removing 2 screws (See Fig. 7)

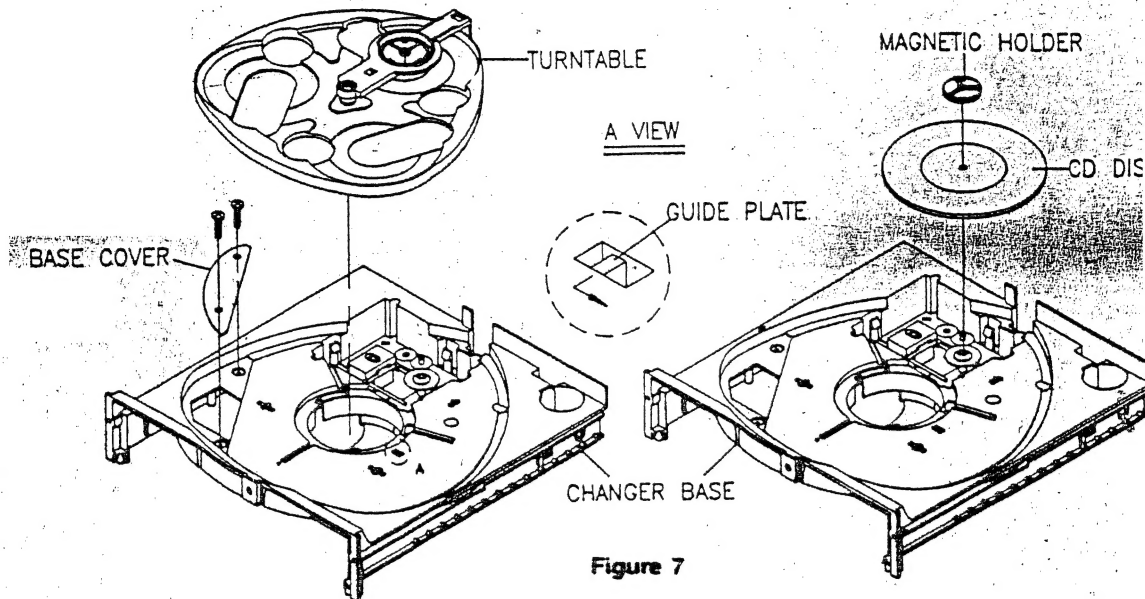


Figure 7

### CAUTION:

The laser beam may always be active when the turntable is removed.

Use of controls for adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

The compact disc player should not be adjusted or repaired by anyone except properly qualified service personnel.

### RF ADJUSTMENT

1. Connect CNOB to the power supply, insert CD test disc (SONY YEDS-7) into the player, held in place by a magnetic holder (See Fig. 7)
2. Connect RF test pin to CN15 and play a CD (See Fig. 8)
3. Adjust VR01 to obtain the maximum waveform (See Fig. 9)

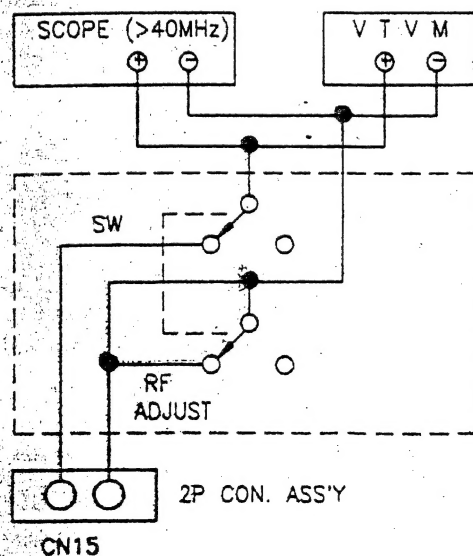


Figure 8

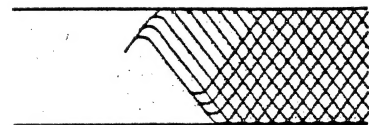
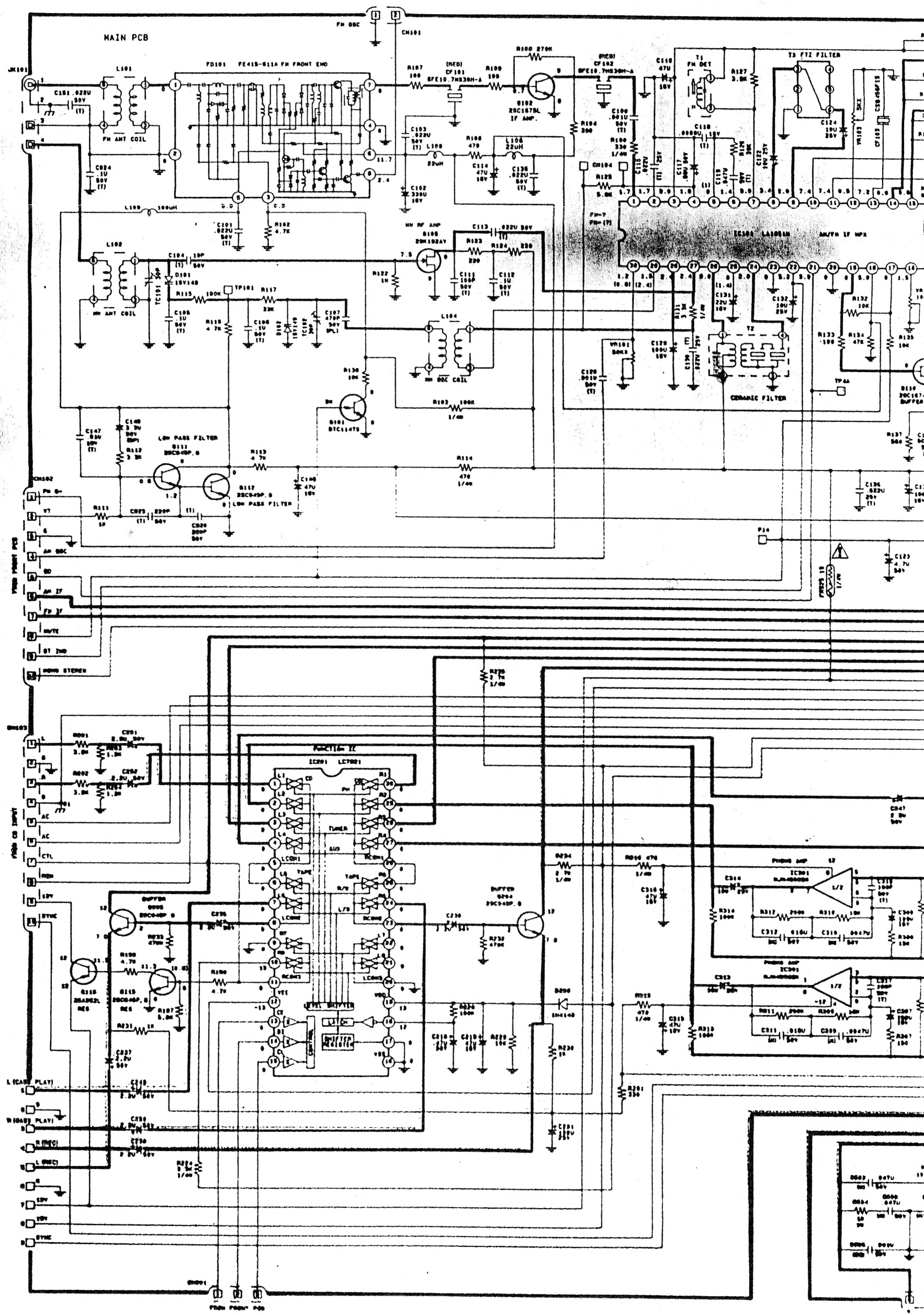


Figure 9

Model No. COMPACT 15000

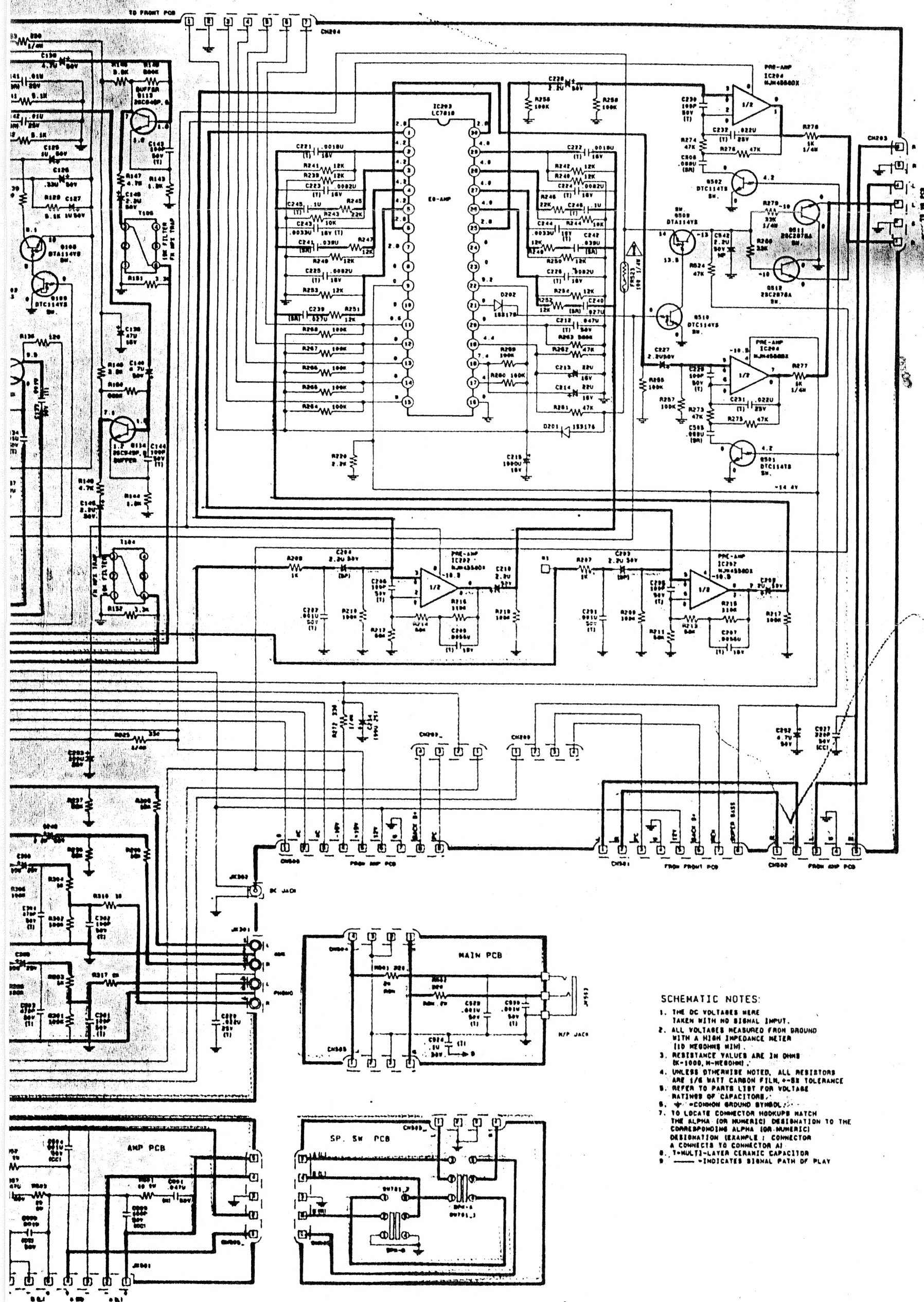




## Diagram-Tuner

**CDC**

Model No. COMPACT 1500CDC



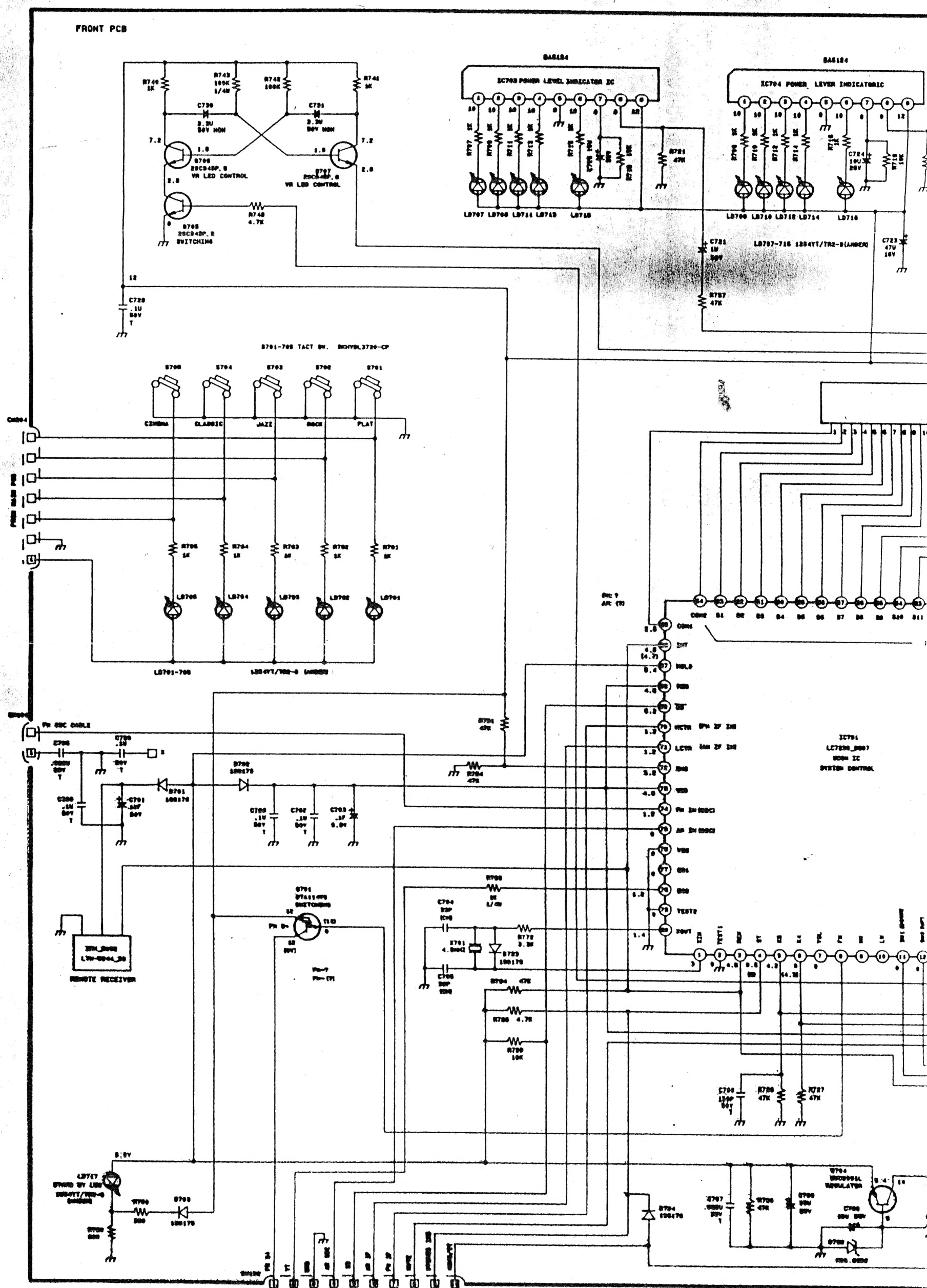
SCHEMATIC NOTES:

1. THE DC VOLTAGES HERE TAKEN WITH NO SIGNAL INPUT.
2. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER (10 MEGOHMS MIN)
3. RESISTANCE VALUES ARE IN OHMS (K=1000, M=1000000).
4. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, ±5% TOLERANCE
5. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
6. \* - COMMON GROUND SYMBOL.
7. TO LOCATE CONNECTOR HOOKUPS MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) DESIGNATION (EXAMPLE: CONNECTOR A CONNECTS TO CONNECTOR A)
8. T=MULTI-LAYER CERAMIC CAPACITOR
9. - - - INDICATES SIGNAL PATH OF PLAY



## Schematic

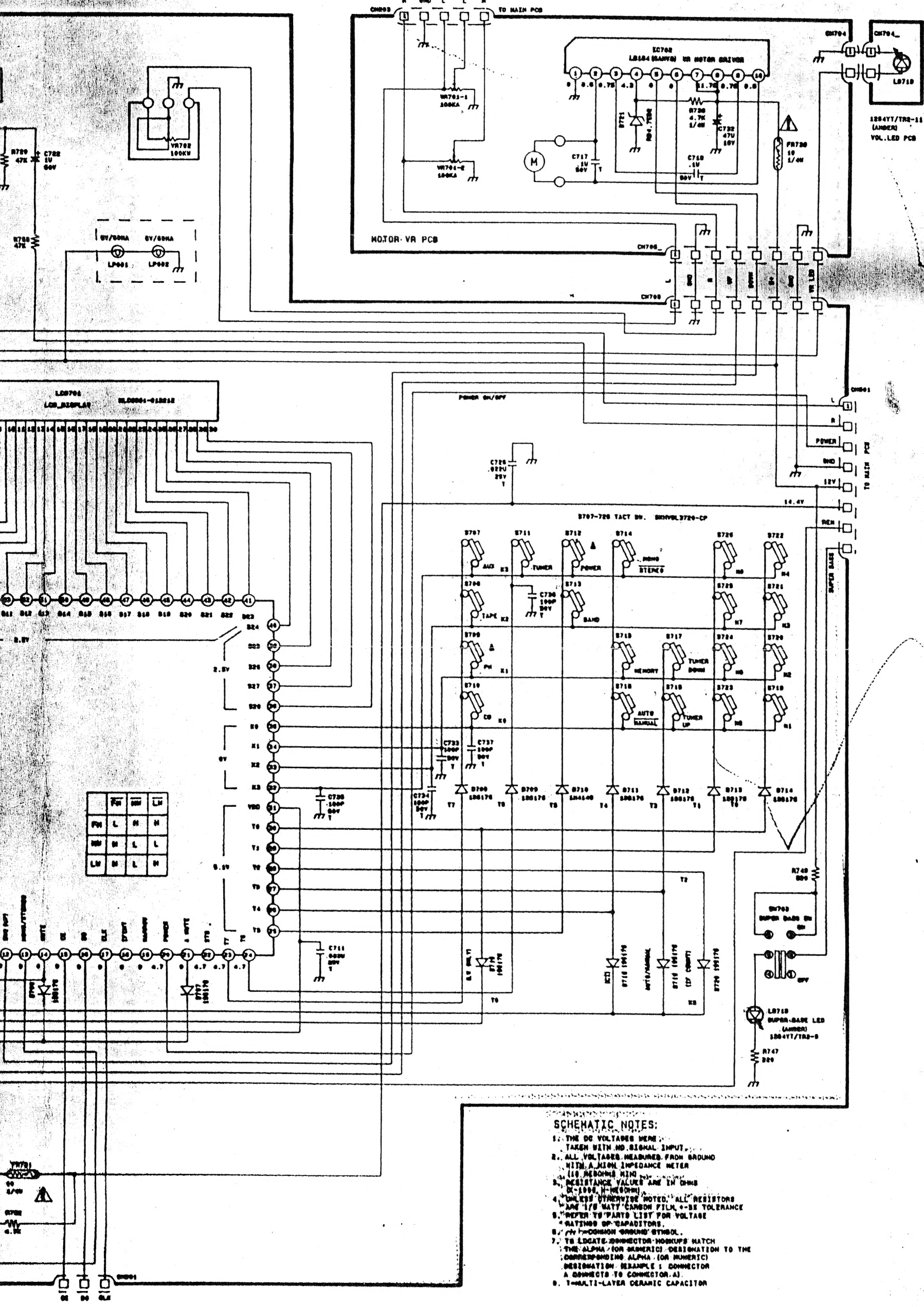
Model No. COMPACT 1500C



# Diagram - Front

CDC

Model No. COMPACT 1500CDC

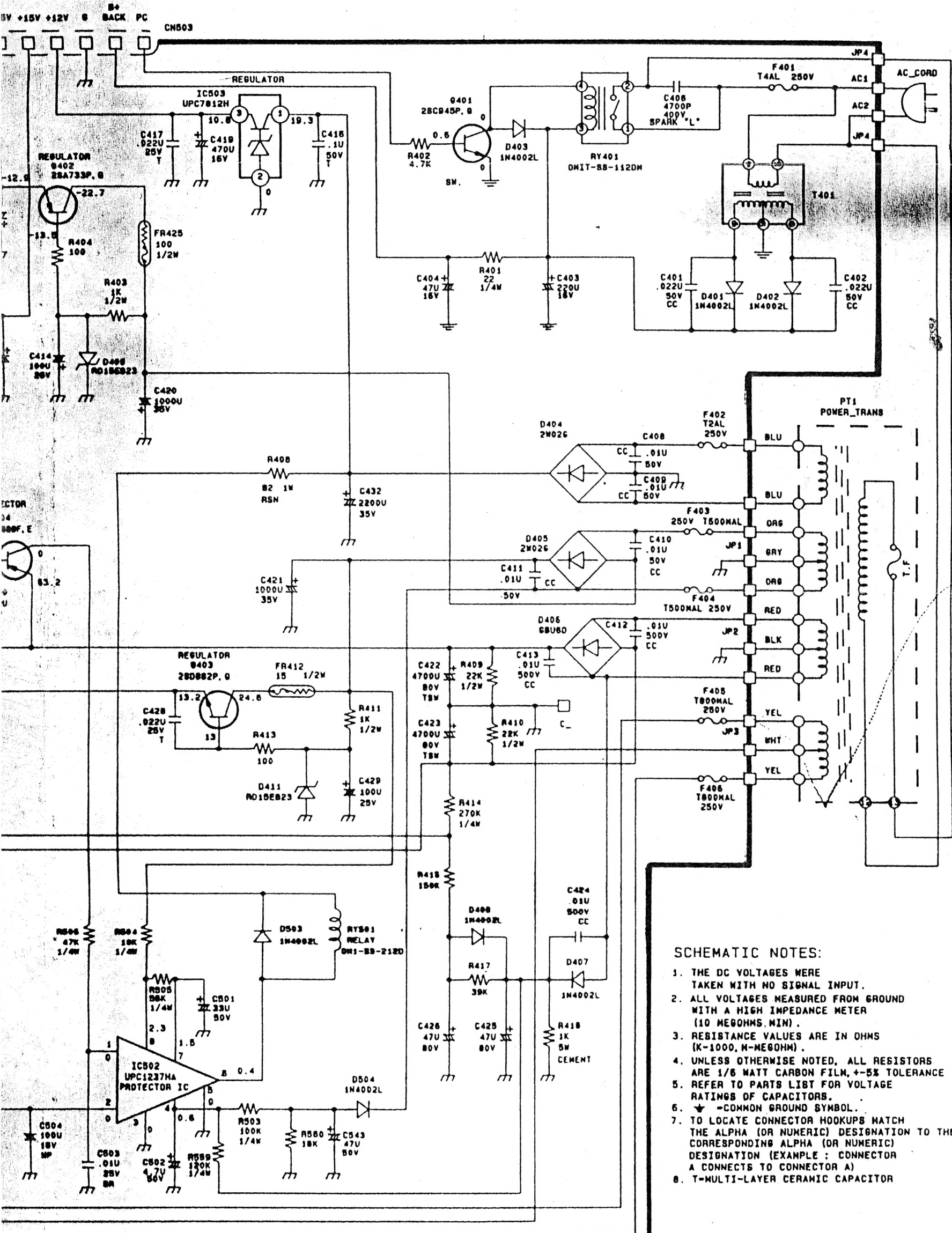


- SCHEMATIC NOTES:**
- 1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
  - 2. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER.
  - 3. RESISTANCE VALUES ARE IN OHMS UNLESS OTHERWISE NOTED.
  - 4. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, 0-5% TOLERANCE.
  - 5. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
  - 6. "GND" IS COMMON GROUND SYMBOL.
  - 7. TO LOCATE CONNECTOR WIRING MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) DESIGNATION. (EXAMPLE: CONNECTION A CONNECTS TO CONNECTOR A).
  - 8. "M" IS MULTI-LAYER CERAMIC CAPACITOR.

## Diagram—Amplifier

**CDC**

Model No. COMPACT 1500CDC



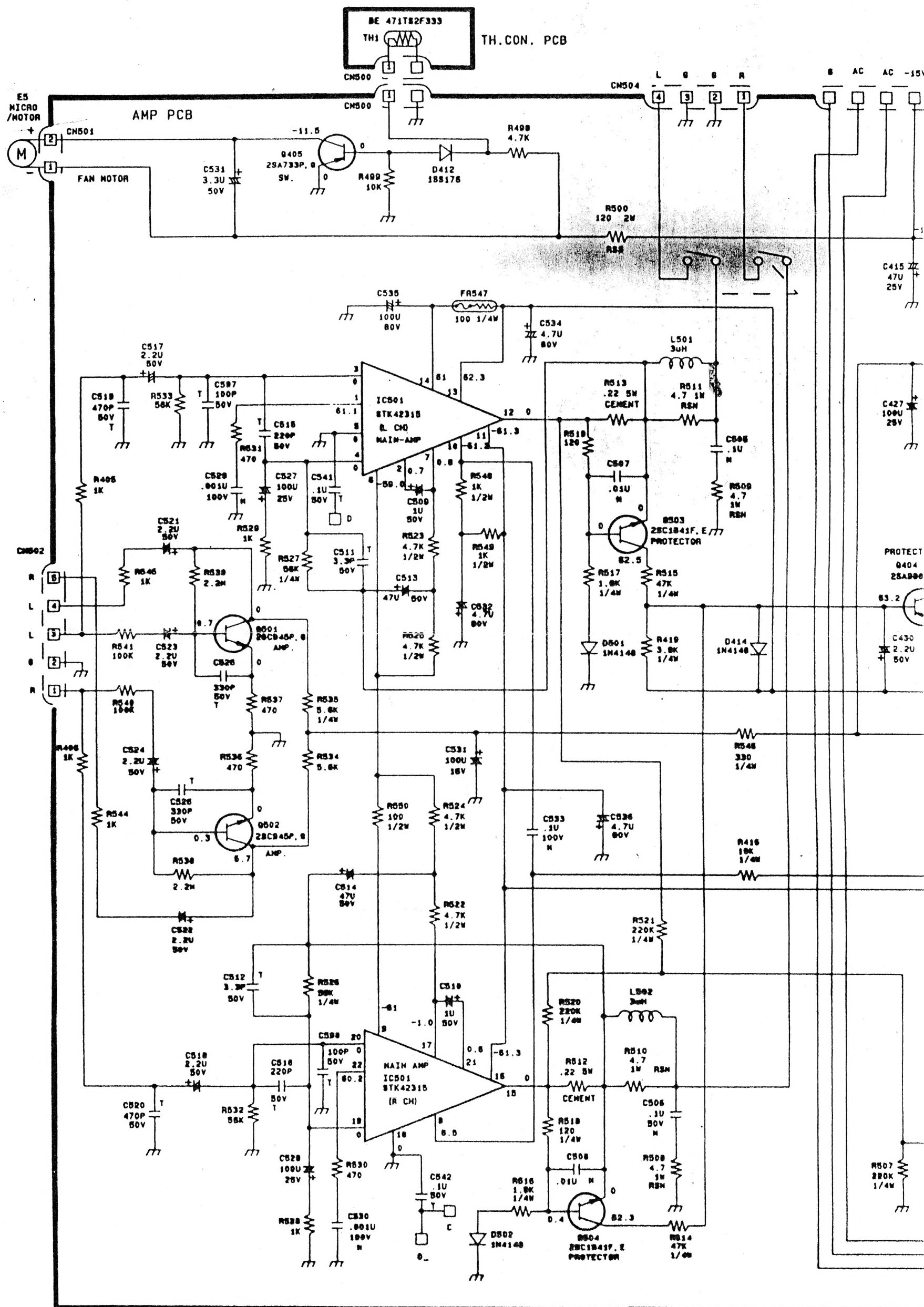
SCHEMATIC NOTES:

1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
2. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER (10 MEGOHMS MIN).
3. RESISTANCE VALUES ARE IN OHMS (K-1000, M-MEGOHM).
4. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, +-5% TOLERANCE
5. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
6. ★ -COMMON GROUND SYMBOL.
7. TO LOCATE CONNECTOR HOOKUPS MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) DESIGNATION (EXAMPLE : CONNECTOR A CONNECTS TO CONNECTOR A)
8. T-MULTI-LAYER CERAMIC CAPACITOR

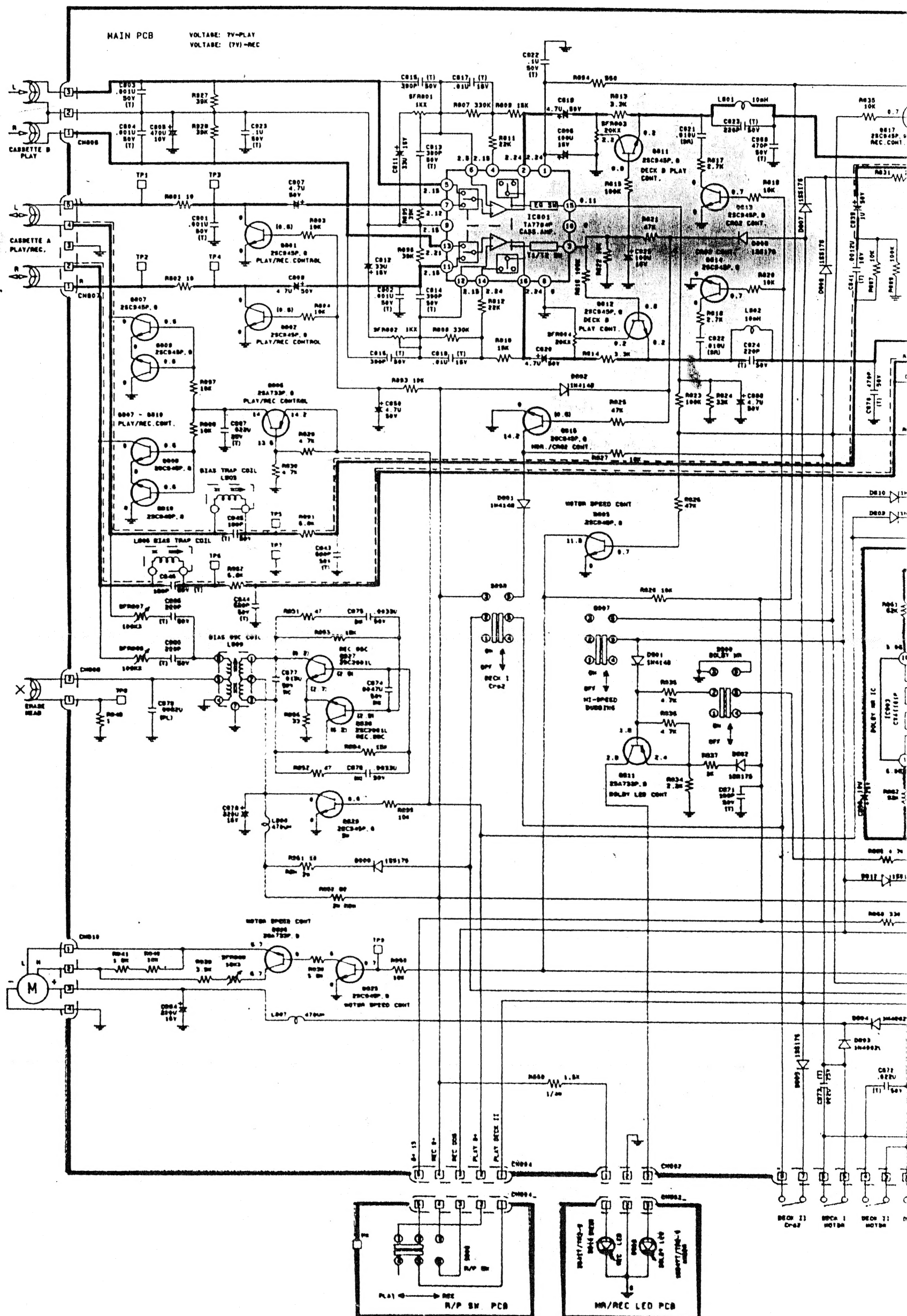


# Schematic Diagram

Model No. COMPACT 1500C



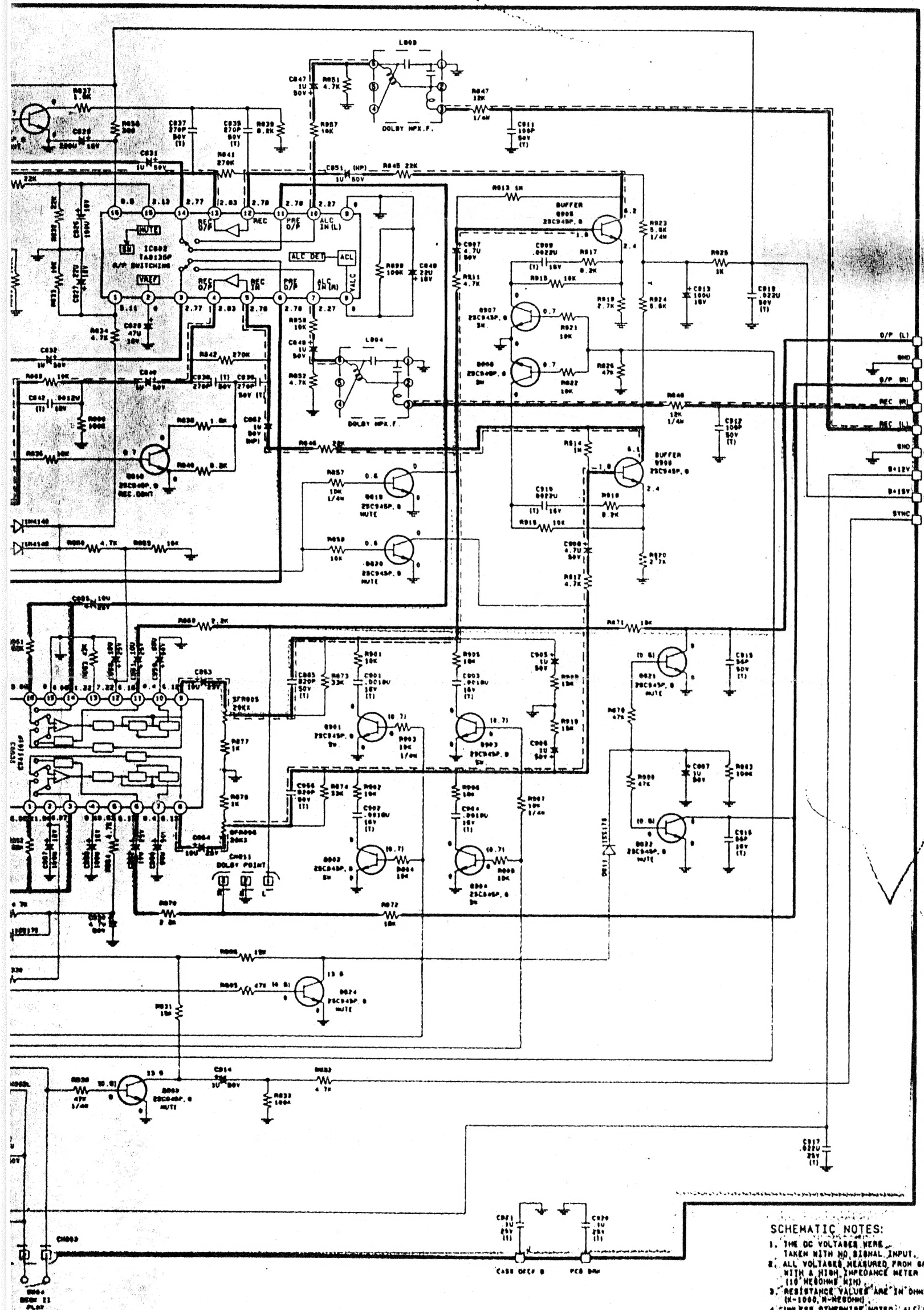
Model No. COMPACT 15000



# Diagram - Cassette

0CDC

Model No. COMPACT 1500CDC

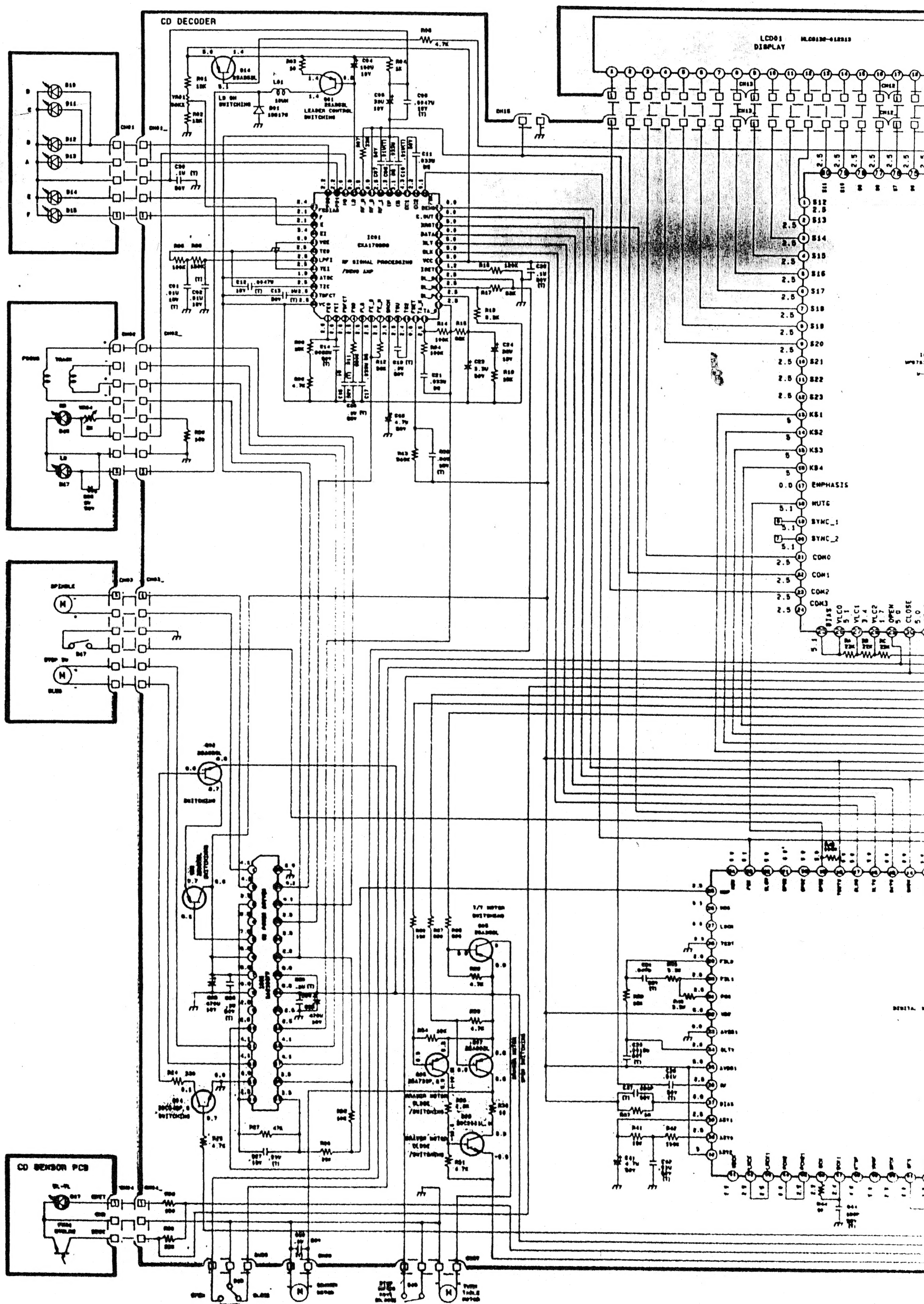


## SCHEMATIC NOTES:

1. THE DC VOLTAGES WERE TAKEN WITH NO SIGNAL INPUT.
2. ALL VOLTAGES MEASURED FROM GROUND WITH A HIGH IMPEDANCE METER (10 MEGOHMS MIN).
3. RESISTANCE VALUES ARE IN OHMS (K=1000, M=MEGAS).
4. UNLESS OTHERWISE NOTED, ALL RESISTORS ARE 1/8 WATT CARBON FILM, ±5% TOLERANCE.
5. REFER TO PARTS LIST FOR VOLTAGE RATINGS OF CAPACITORS.
6. ———— COMMON GROUND SYMBOL.
7. TO LOCATE CONNECTOR HOODUPS MATCH THE ALPHA (OR NUMERIC) DESIGNATION TO THE CORRESPONDING ALPHA (OR NUMERIC) DESIGNATION (EXAMPLE: 1 CONNECTOR A CONNECTS TO CONNECTOR A).
8. ———— MULTI-LAYER CERAMIC CAPACITOR.
9. ———— INDICATES SIGNAL PATH OF PLAY.
10. ———— INDICATES SIGNAL PATH OF RECORDING.



Model No. COMPACT 1500CD



## 1

Model No. COMPACT 1500CDC

